327. **Nitant, H.C. and Om Prakash. 1990.** Root proliferation, moisture use efficiency and uptake of nutrients by mustard under limited moisture supply as influenced by N rates in reclaimed ravines. Abstracts 1&2, Internl. Symp. on "Natural Resources Management for a Sustainable Agriculture", New Delhi, Feb. 06-10, 1990: 244.

Field experiments were conducted in alluvial sandy loam soils at Agra to find out the effect of N rates (0, 20, 40, 80, 120 and 160 kg/ha) on root proliferation (RP), moisture use efficiency (MUE) and uptake of nutrients by mustard under rainfed (R) and minimal irrigation (MI) conditions. Application of nitrogen at 80 kg N/ha resulted in maximum total uptake of NPK and root proliferation was also observed at 80 kg N/ha rate. Comparatively better results recorded under MI conditions may be attributed to higher initial soil moisture and an irrigation of 30 mm depth before flowering stage.